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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
P. Jin

Serial No: 08/900,220

Filed: July 24, 1997

For: Vertebrate Embryonic Patterning-  
Inducing Proteins, Compositions and  
Uses Related Thereto

Attorney Docket No. CIBT-P01-044

Art Unit: 1646

Examiner: M. Brannock

**CERTIFICATE OF FACSIMILE**

I hereby certify that this correspondence is being transmitted by facsimile to the United States Patent and Trademark Office, Fax No. 703-746-5238, on the date indicated below:

November 26, 2001

Date of Signature  
and of Mail Deposit

Karen DiRocco

Karen DiRocco

Assistant Commissioner of Patents  
Washington, D.C. 20231

**AMENDMENT**

Sir:

This amendment is being filed pursuant to the vacation of the restriction requirement between proteins and nucleic acids in the above application. Please enter the following amendments:

**In the claims:**

Please add the following new claims:

80. A polypeptide comprising a *hedgehog* polypeptide which is at least 98 percent identical to either SEQ ID No: 17 or an N-terminal fragment of SEQ ID No: 17 having a molecular weight of about 19 kD, which *hedgehog* polypeptide binds to a *patched* protein or promotes proliferation of testicular germ line cells.

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